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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 14, No. 12

WEEKLY REPORT

Week Ending March 27, 1965

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

UNIVERSITY OF FLORIDA APR 1965

EPIDEMIOLOGICAL NOTES

Paralytic Poliomyelitis – Arizona

Two cases of paralytic poliomyelitis and 3 additional suspect cases are currently under epidemiological investigation in Arizona. Four of the 5 cases have occurred in Pinal County (1960 population – 62,673) since November 1964. The fifth case occurred in Cochise County in November 1964. As shown in the table on page 106, all cases are under 4 years of age and 4 of the cases with known vaccination history were unvaccinated.

Type I poliovirus has been isolated from the most recent case. All 5 cases are from lower socioeconomic areas in their respective communities.

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Three cases of paralytic poliomyelitis were reported in Arizona in both 1962 and 1963. All six cases occurred in Maricopa County (Phoenix) with type I poliovirus being

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Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

Disease	12th Week Ended			Cumulative, First 12 Weeks		
	March 27, 1965	March 21, 1964	Median 1960 - 1964	1965	1964	Median 1960 - 1964
Aseptic meningitis	27	29	16	334	315	268
Brucellosis	2	6	10	51	85	85
Diphtheria	-	6	6	53	48	129
Encephalitis, primary infectious	25	28	---	350	366	---
Encephalitis, post-infectious	18	16	---	168	129	---
Hepatitis, infectious including serum hepatitis	753	933	933	9,471	11,290	12,960
Measles	11,264	21,502	16,500	105,702	125,918	129,117
Meningococcal infections	111	79	57	1,016	746	662
Poliomyelitis, Total	1	3	4	2	16	72
Paralytic	1	3	3	2	12	45
Nonparalytic	-	-	---	-	4	---
Unspecified	-	-	---	-	-	---
Streptococcal Sore Throat and Scarlet fever	11,974	11,118	9,828	134,516	127,714	115,827
Tetanus	4	1	---	40	44	---
Tularemia	3	2	---	51	68	---
Typhoid fever	2	5	7	79	75	98
Rabies in Animals	96	110	108	1,142	926	923

Table 2. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Rabies in Man:	-
Botulism:	1	Smallpox:	-
Leptospirosis:	10	Trichinosis: Calif. - 1	33
Malaria:	8	Typhus-	
Plague:	-	Murine:	4
Psittacosis:	6	Rky Mt. Spotted:	6

EPIDEMIOLOGICAL NOTES (Continued)

County	City	Age	Sex	Onset Date	Vaccine Status IPV	OPV	Remarks
Pinal**	Eloy	3 mo.	F	11-12-64	0	0	Died 11-13-64
Cochise*	Douglas	4 mo.	M	11-19-64	0	0	Died 11-21-64
Pinal**	Casa Grande	2 yrs.	F	12-27-64	0	0	
Pinal**	Eloy	3 yrs.	F	2-17-65	Unk.	Unk.	
Pinal*	Maricopa	17 mo.	F	2-19-65	1	0	Type I isolated

* Case

** Suspect Case

isolated from 5 cases, all either unvaccinated or inadequately vaccinated. The Pinal County case in November 1964 was the first case since October 1963.

(Reported by Dr. William J. Moore, Commissioner of Health, Dr. Philip Hotchkiss, Acting Director, Division of Acute Communicable Disease Control, Arizona State Department of Health and Mr. Frank R. Williams, M.S.P.H., Director, Pinal County Health Department.)

EPIDEMIOLOGICAL REPORTS

HUMAN RABIES DEATHS

U.S. Citizens Overseas

During 1964 two human rabies deaths in U.S. military personnel, including dependents, overseas have been reported.

An 8-year-old boy, the son of a U.S. Air Force man, was bitten several times on the face by a rabid dog on May 8, 1964. The dog was his own pet and probably had never been immunized against rabies.

The boy was brought to the Station Hospital, USNAF, Kenitra, Morocco, within 3 hours after the incident. His wounds were cleansed with a hexachlorophene preparation. He received antirabies hyperimmune serum and 14 daily doses of duck embryo rabies vaccine followed by booster doses of duck embryo vaccine given 10 and 20 days after completion of the 14-day course. He was admitted to the hospital in Kenitra on August 5 having muscular spasms and mild salivation, which increased in the next 24 hours. Symptomatic treatment was administered while the child was in the hospital, but his condition became progressively worse. He died on August 8, 1964.

Portions of the brain were sent to the U.S. Air Force Hospital, Wiesbaden, Germany, and Pasteur Institute, Casablanca, Morocco, for examination. Negri bodies were demonstrated in the histologic examination.

The second death occurred on October 17, 1964 in Spain.

The victim, a 28-year-old Naval officer, was bitten on the right hand by his dog approximately 30 days prior to onset of illness. The animal had been sick for 5 days before the biting incident and died 4 days later under suspicious circumstances. Before death, the animal exhibited signs of malaise, excitability, and personality changes. Post-mortem examination by Spanish health authorities was negative for rabies.

The patient entered the U.S. Naval Station Hospital in Rota, Spain, on September 30, 1964. Two days prior to admission, the patient noted onset of a moderately severe pain in his right arm, most marked in his right hand where the bite occurred, and extending from his hand to the shoulder. During the course of his illness, which lasted 19 days, he showed typical signs of hydrophobia; he could bring water to his mouth only by extreme effort and was terrified at attempts to swallow.

No antirabies serum or vaccine was administered to the patient at any time following exposure. A diagnosis of rabies was made by the Naval Medical Laboratory following examination of the brain. Diagnosis was confirmed by demonstration of Negri bodies in brain material, and by fluorescent antibody examination of the original brain sections, and by mouse inoculation studies. The Walter Reed Army Medical Center also confirmed the diagnosis of rabies by FA and mouse inoculation tests.

(Continued on page 112)

SALMONELLOSIS IN THE UNITED STATES

MONTHLY REPORT

During January 1965, there were 1,538 human isolations of salmonella organisms reported to the Communicable Disease Center Salmonella Surveillance Unit by the State Health Departments and other participating laboratories. The average number of isolations per week (385) represented an increase of 41 isolations over December 1964 and an increase of 65 isolations over January 1964 (see Figure below).

The 7 serotypes reported most frequently during January are shown in the table opposite.

A total of 64 serotypes were reported during January, but the 7 listed in the table accounted for almost two-thirds of all isolations from man.

Salmonella derby did not appear on the list this month, but accounted for 3.8 percent of total isolates reported. *Salmonella saint-paul* appeared on the list for the first time since October 1964.

Rank	Serotype	Number	Percent	Rank Last Month
1	*S. typhi-murium* & *S. typhi-murium var. copenhagen*	432	28.1	1
2	*S. heidelberg*	126	8.2	2
3	*S. enteritidis*	103	6.7	4
4	*S. infantis*	87	5.7	3
5	*S. saint-paul* &	72	4.7	12
5	*S. typhi*	72	4.7	7
7	*S. newport*	65	4.2	5
	Others	581	37.8	–
TOTAL		1538	100.0	

(Reported by the Salmonella Surveillance Unit, CDC)

Figure 1.

REPORTED HUMAN ISOLATIONS OF SALMONELLAE IN THE UNITED STATES

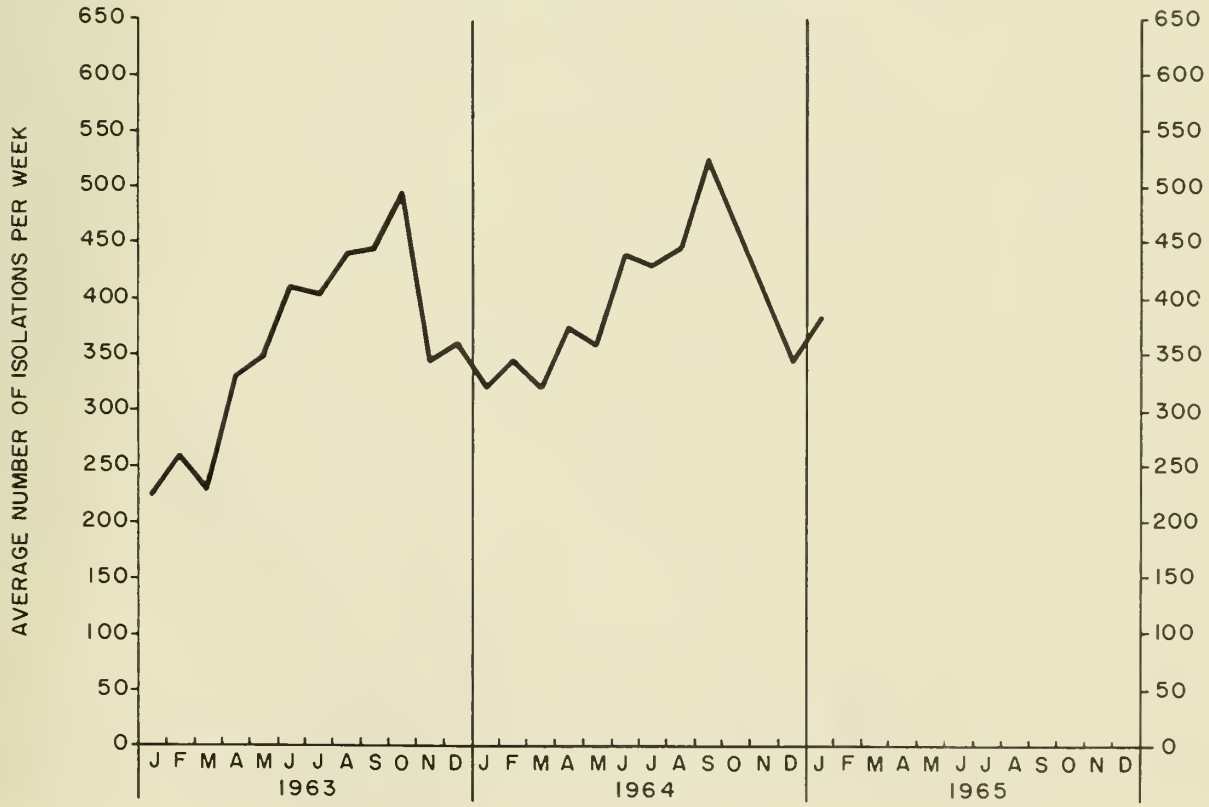

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 27, 1965 AND MARCH 21, 1964 (12th Week)

Area	Aseptic Meningitis		Encephalitis		Poliomyelitis						Diphtheria	
			Primary	Post-Inf.	Total Cases			Paralytic				
						Cumulative			Cumulative			Cum.
	1965	1964	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	27	29	25	18	1	2	16	1	2	12	-	53
NEW ENGLAND.....	1	1	1	1	-	-	-	-	-	-	-	1
Maine.....	1	-	-	-	-	-	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts.....	-	1	-	-	-	-	-	-	-	-	-	1
Rhode Island.....	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut.....	-	-	1	1	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	-	1	3	3	-	-	4	-	-	4	-	3
New York City.....	-	-	2	-	-	-	1	-	-	1	-	2
New York, Up-State.	-	1	-	1	-	-	2	-	-	2	-	-
New Jersey.....	-	-	-	-	-	-	1	-	-	1	-	-
Pennsylvania.....	-	-	1	2	-	-	-	-	-	-	-	1
EAST NORTH CENTRAL...	1	5	6	2	-	-	1	-	-	1	-	3
Ohio.....	-	-	4	-	-	-	-	-	-	-	-	1
Indiana.....	-	-	1	-	-	-	-	-	-	-	-	2
Illinois.....	-	1	1	1	-	-	1	-	-	1	-	-
Michigan.....	1	3	-	1	-	-	-	-	-	-	-	-
Wisconsin.....	-	1	-	-	-	-	-	-	-	-	-	-
WEST NORTH CENTRAL...	-	2	1	-	1	1	-	1	1	-	-	10
Minnesota.....	-	2	-	-	1	1	-	1	1	-	-	4
Iowa.....	-	-	-	-	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-	-	-	-	1
North Dakota.....	-	-	-	-	-	-	-	-	-	-	-	-
South Dakota.....	-	-	1	-	-	-	-	-	-	-	-	4
Nebraska.....	-	-	-	-	-	-	-	-	-	-	-	1
Kansas.....	-	-	-	-	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	3	1	6	1	-	-	8	-	-	5	-	11
Delaware.....	1	-	-	-	-	-	-	-	-	-	-	-
Maryland.....	-	-	1	-	-	-	-	-	-	-	-	-
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	-	-	3
Virginia.....	-	-	2	-	-	-	-	-	-	-	-	-
West Virginia.....	-	1	-	-	-	-	-	-	-	-	-	-
North Carolina.....	-	-	-	-	-	-	4	-	-	1	-	1
South Carolina.....	-	-	1	-	-	-	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-	1	-	-	1	-	5
Florida.....	2	-	2	1	-	-	3	-	-	3	-	2
EAST SOUTH CENTRAL...	8	8	2	-	-	-	1	-	-	-	-	5
Kentucky.....	7	5	-	-	-	-	-	-	-	-	-	-
Tennessee.....	1	2	-	-	-	-	1	-	-	-	-	-
Alabama.....	-	1	-	-	-	-	-	-	-	-	-	4
Mississippi.....	-	-	2	-	-	-	-	-	-	-	-	1
WEST SOUTH CENTRAL...	2	3	1	1	-	1	-	-	1	-	-	16
Arkansas.....	-	-	-	-	-	-	-	-	-	-	-	1
Louisiana.....	-	-	-	-	-	-	-	-	-	-	-	2
Oklahoma.....	-	-	-	-	-	-	-	-	-	-	-	-
Texas.....	2	3	1	1	-	1	-	-	1	-	-	13
MOUNTAIN.....	1	2	-	-	-	-	1	-	-	1	-	-
Montana.....	-	1	-	-	-	-	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	1	-	-	-	-	1	-	-	1	-	-
New Mexico.....	-	-	-	-	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	-	-	-	-	-	-	-	-	-
Utah.....	1	-	-	-	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	-	-	-	-	-	-
PACIFIC.....	11	6	5	10	-	-	1	-	-	1	-	4
Washington.....	-	-	1	1	-	-	-	-	-	-	-	-
Oregon.....	-	-	-	-	-	-	-	-	-	-	-	1
California.....	11	6	4	9	-	-	1	-	-	1	-	3
Alaska.....	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	-	-	-	-	-	-	-	-	5

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 27, 1965 AND MARCH 21, 1964 (12th Week) - CONTINUED

Area	Brucellosis	Infectious Hepatitis including Serum Hepatitis					Meningococcal Infections			Tetanus	
		Total incl. unk.	Under 20 years	20 years and over	Cumulative Totals			Cumulative			Cum.
	1965	1965	1965	1965	1965	1964	1965	1965	1964	1965	1965
UNITED STATES...	2	753	342	362	9,471	11,290	111	1,016	746	4	40
NEW ENGLAND.....	-	47	22	24	567	1,298	7	49	21	-	2
Maine.....	-	3	2	1	121	466	-	7	2	-	-
New Hampshire.....	-	6	3	3	49	117	-	2	-	-	1
Vermont.....	-	1	-	1	35	159	-	-	-	-	-
Massachusetts.....	-	24	14	10	204	241	2	19	10	-	1
Rhode Island.....	-	8	3	5	66	56	2	7	2	-	-
Connecticut.....	-	5	-	4	92	259	3	14	7	-	-
MIDDLE ATLANTIC.....	-	124	50	74	1,679	2,521	9	142	73	1	2
New York City.....	-	30	8	22	298	363	1	21	10	-	-
New York, Up-State.	-	28	16	12	769	1,162	1	33	25	-	1
New Jersey.....	-	35	12	23	226	400	3	47	19	-	-
Pennsylvania.....	-	31	14	17	386	596	4	41	19	1	1
EAST NORTH CENTRAL...	-	132	65	63	1,855	1,669	20	120	110	1	2
Ohio.....	-	27	11	16	575	456	2	30	35	-	-
Indiana.....	-	13	9	4	149	137	2	16	16	1	2
Illinois.....	-	31	13	16	349	264	9	30	24	-	-
Michigan.....	-	51	26	24	675	723	3	23	29	-	-
Wisconsin.....	-	10	6	3	107	89	4	21	6	-	-
WEST NORTH CENTRAL...	1	45	13	22	607	715	8	57	35	-	2
Minnesota.....	-	6	1	4	53	52	2	13	8	-	1
Iowa.....	-	20	8	11	244	106	-	1	2	-	-
Missouri.....	-	8	-	-	116	179	5	32	17	-	1
North Dakota.....	1	-	-	-	9	32	-	3	3	-	-
South Dakota.....	-	-	-	-	8	78	-	2	-	-	-
Nebraska.....	-	1	-	1	15	17	1	2	1	-	-
Kansas.....	-	10	4	6	162	251	-	4	4	-	-
SOUTH ATLANTIC.....	-	96	48	38	975	1,082	23	205	159	2	12
Delaware.....	-	7	3	4	45	14	-	3	2	-	-
Maryland.....	-	8	4	4	209	196	5	19	12	-	1
Dist. of Columbia..	-	3	1	2	12	22	-	3	4	-	-
Virginia.....	-	35	18	8	205	162	2	23	12	1	2
West Virginia.....	-	12	10	2	176	204	1	13	13	-	-
North Carolina.....	-	6	5	1	90	203	2	33	26	-	1
South Carolina.....	-	-	-	-	28	36	-	25	18	-	-
Georgia.....	-	4	2	2	41	24	2	31	14	-	3
Florida.....	-	21	5	15	169	221	11	55	58	1	5
EAST SOUTH CENTRAL...	-	72	46	21	770	770	4	56	64	-	8
Kentucky.....	-	33	25	3	279	352	3	25	19	-	1
Tennessee.....	-	25	16	9	309	254	1	18	25	-	3
Alabama.....	-	5	1	4	107	107	-	9	10	-	3
Mississippi.....	-	9	4	5	75	57	-	4	10	-	1
WEST SOUTH CENTRAL...	-	55	28	23	867	799	17	158	105	-	7
Arkansas.....	-	10	5	5	134	99	-	9	4	-	2
Louisiana.....	-	10	2	7	156	150	9	77	46	-	2
Oklahoma.....	-	1	-	1	30	47	1	15	3	-	-
Texas.....	-	34	21	10	547	503	7	57	52	-	3
MOUNTAIN.....	-	30	6	11	554	744	3	50	32	-	1
Montana.....	-	1	-	1	48	66	-	-	-	-	-
Idaho.....	-	1	-	-	79	58	-	5	1	-	-
Wyoming.....	-	-	-	-	24	31	-	2	1	-	-
Colorado.....	-	7	3	3	88	200	1	9	7	-	1
New Mexico.....	-	13	2	6	111	133	1	16	16	-	-
Arizona.....	-	6	-	-	114	162	-	11	2	-	-
Utah.....	-	2	1	1	85	71	1	5	1	-	-
Nevada.....	-	-	-	-	5	23	-	2	4	-	-
PACIFIC.....	1	152	64	86	1,597	1,692	20	179	147	-	4
Washington.....	-	15	8	6	131	179	4	13	13	-	-
Oregon.....	1	8	3	4	140	176	1	14	5	-	-
California.....	-	128	53	75	1,209	1,239	12	147	122	-	4
Alaska.....	-	-	-	-	105	56	2	3	3	-	-
Hawaii.....	-	1	-	1	12	42	1	2	4	-	-
Puerto Rico	-	35	27	8	270	193	-	3	12	-	8

Table 3. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
MARCH 27, 1965 AND MARCH 21, 1964 (12th Week) - CONTINUED

Area	Measles			Strept. Sore Th. & Scarlet Fev.	Tularemia		Typhoid Fever		Rabies in Animals	
		Cumulative				Cum.		Cum.		Cum.
	1965	1965	1964	1965	1965	1965	1965	1965	1965	1965
UNITED STATES...	11,264	105,702	125,918	11,974	3	51	2	79	96	1,142
NEW ENGLAND.....	1,930	22,171	5,888	1,195	-	-	-	1	1	14
Maine.....	37	1,824	705	165	-	-	-	-	-	-
New Hampshire.....	23	300	112	2	-	-	-	-	-	-
Vermont.....	58	304	1,262	16	-	-	-	-	1	13
Massachusetts.....	1,044	12,415	1,722	162	-	-	-	1	-	-
Rhode Island.....	159	2,450	418	43	-	-	-	-	-	-
Connecticut.....	609	4,878	1,669	807	-	-	-	-	-	1
MIDDLE ATLANTIC.....	501	3,949	19,254	722	-	-	-	9	6	36
New York City.....	29	275	6,478	36	-	-	-	5	-	-
New York, Up-State.	172	1,367	4,372	493	-	-	-	3	6	34
New Jersey.....	61	695	4,358	76	-	-	-	-	-	-
Pennsylvania.....	239	1,512	4,046	117	-	-	-	1	-	2
EAST NORTH CENTRAL...	2,230	18,599	28,393	1,354	-	1	-	10	5	65
Ohio.....	655	4,099	5,439	328	-	-	-	3	-	-
Indiana.....	44	735	6,850	126	-	-	-	2	-	7
Illinois.....	59	580	5,764	232	-	1	-	1	3	22
Michigan.....	1,069	9,754	7,067	417	-	-	-	3	-	12
Wisconsin.....	403	3,431	3,273	251	-	-	-	1	2	24
WEST NORTH CENTRAL...	799	8,538	3,388	669	-	5	-	3	12	188
Minnesota.....	23	226	108	9	-	-	-	-	-	47
Iowa.....	392	4,850	1,612	117	-	-	-	-	5	60
Missouri.....	145	1,126	351	135	-	3	-	3	3	29
North Dakota.....	189	2,090	1,224	333	-	-	-	-	-	8
South Dakota.....	-	51	3	30	-	1	-	-	1	13
Nebraska.....	50	195	90	1	-	-	-	-	2	11
Kansas.....	NN	NN	NN	44	-	1	-	-	1	20
SOUTH ATLANTIC.....	1,303	13,419	11,941	1,437	3	19	-	20	14	185
Delaware.....	21	238	144	60	-	-	-	2	-	-
Maryland.....	33	446	1,502	159	-	-	-	6	-	2
Dist. of Columbia..	-	12	239	15	-	-	-	-	-	-
Virginia.....	239	1,978	3,103	444	-	3	-	2	11	153
West Virginia.....	632	8,716	2,927	464	-	-	-	1	-	5
North Carolina.....	4	156	455	16	-	3	-	7	-	-
South Carolina.....	78	341	1,682	70	-	3	-	2	-	-
Georgia.....	57	392	121	39	3	10	-	-	1	14
Florida.....	239	1,140	1,768	170	-	-	-	-	2	11
EAST SOUTH CENTRAL...	696	6,008	15,814	1,876	-	13	-	9	31	385
Kentucky.....	225	772	6,767	225	-	3	-	5	2	25
Tennessee.....	336	3,605	7,129	1,478	-	9	-	3	29	353
Alabama.....	88	1,214	322	37	-	1	-	1	-	7
Mississippi.....	47	417	1,596	136	-	-	-	-	-	-
WEST SOUTH CENTRAL...	1,753	14,248	18,377	915	-	8	2	13	23	194
Arkansas.....	125	780	305	2	-	4	-	5	3	29
Louisiana.....	4	30	43	3	-	1	-	2	3	40
Oklahoma.....	17	88	233	91	-	3	-	1	4	34
Texas.....	1,607	13,350	17,796	819	-	-	2	5	13	91
MOUNTAIN.....	812	8,342	5,490	2,109	-	5	-	10	-	20
Montana.....	135	2,316	1,155	25	-	1	-	-	-	3
Idaho.....	101	1,267	685	151	-	-	-	-	-	-
Wyoming.....	84	311	22	23	-	-	-	1	-	-
Colorado.....	237	1,419	859	1,079	-	-	-	-	-	-
New Mexico.....	68	294	126	334	-	-	-	6	-	-
Arizona.....	35	287	1,953	172	-	-	-	3	-	17
Utah.....	147	2,377	329	325	-	4	-	-	-	-
Nevada.....	5	71	361	-	-	-	-	-	-	-
PACIFIC.....	1,240	10,428	17,373	1,697	-	-	-	4	4	55
Washington.....	383	3,233	6,554	331	-	-	-	-	-	-
Oregon.....	176	1,571	1,875	29	-	-	-	-	-	1
California.....	547	4,555	8,005	1,269	-	-	-	3	4	54
Alaska.....	10	88	837	16	-	-	-	-	-	-
Hawaii.....	124	981	102	52	-	-	-	1	-	-
Puerto Rico	88	631	1,737	13	-	-	-	-	-	1

Week No. 12

Table 4. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 27, 1965

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over		
NEW ENGLAND:	691	426	32	45
Boston, Mass.	242	136	10	21
Bridgeport, Conn.*	39	24	3	2
Cambridge, Mass.	28	20	-	-
Fall River, Mass.	25	20	-	-
Hartford, Conn.	47	27	-	3
Lowell, Mass.	25	16	2	-
Lynn, Mass.	23	19	1	2
New Bedford, Mass.	25	15	3	1
New Haven, Conn.	41	20	-	3
Providence, R. I.	50	33	1	6
Somerville, Mass.	11	7	-	1
Springfield, Mass.	39	22	3	1
Waterbury, Conn.	42	30	1	2
Worcester, Mass.	54	37	8	3
MIDDLE ATLANTIC:	3,479	2,047	165	213
Albany, N. Y.	48	29	3	1
Allentown, Pa.	36	25	4	-
Buffalo, N. Y.	148	84	7	7
Camden, N. J.*	45	27	3	4
Elizabeth, N. J.	27	16	-	2
Erie, Pa.	35	22	3	1
Jersey City, N. J.	81	46	5	3
Newark, N. J.	110	52	4	12
New York City, N. Y.	1,730	1,036	82	105
Paterson, N. J.	26	18	-	2
Philadelphia, Pa.	637	346	21	43
Pittsburgh, Pa.	174	104	6	3
Reading, Pa.	48	30	3	3
Rochester, N. Y.	113	73	8	10
Schenectady, N. Y.	23	11	3	7
Scranton, Pa.	43	28	1	1
Syracuse, N. Y.	58	39	2	2
Trenton, N. J.	45	29	4	4
Utica, N. Y.	26	16	4	3
Yonkers, N. Y.	26	16	2	-
EAST NORTH CENTRAL:	2,789	1,589	128	154
Akron, Ohio	56	27	1	5
Canton, Ohio	36	18	7	2
Chicago, Ill.	755	417	40	44
Cincinnati, Ohio	166	102	2	4
Cleveland, Ohio	247	141	11	6
Columbus, Ohio	137	83	1	6
Dayton, Ohio	82	34	4	11
Detroit, Mich.	413	236	21	9
Evansville, Ind.	51	28	2	4
Flint, Mich.	50	23	2	5
Fort Wayne, Ind.	58	35	6	6
Gary, Ind.	44	16	5	9
Grand Rapids, Mich.	60	40	9	4
Indianapolis, Ind.	162	93	8	10
Madison, Wis.	53	29	-	5
Milwaukee, Wis.	135	84	2	13
Peoria, Ill.	53	37	-	4
Rockford, Ill.	23	13	3	1
South Bend, Ind.	36	22	2	3
Toledo, Ohio	113	73	1	3
Youngstown, Ohio	59	38	1	-
WEST NORTH CENTRAL:	930	597	40	49
Des Moines, Iowa	64	49	5	-
Duluth, Minn.	25	18	-	1
Kansas City, Kans.	42	19	3	3
Kansas City, Mo.	141	91	6	4
Lincoln, Nebr.	26	17	-	-
Minneapolis, Minn.	149	95	1	19
Omaha, Nebr.	81	50	1	5
St. Louis, Mo.	290	185	15	12
St. Paul, Minn.	72	53	1	2
Wichita, Kans.	40	20	8	3
SOUTH ATLANTIC:	1,295	631	80	95
Atlanta, Ga.	156	75	13	12
Baltimore, Md.	247	116	14	15
Charlotte, N. C.	60	26	6	7
Jacksonville, Fla.	101	40	7	10
Miami, Fla.	83	45	-	3
Norfolk, Va.	53	29	7	6
Richmond, Va.	117	57	4	7
Savannah, Ga.	38	17	2	2
St. Petersburg, Fla.	95	81	5	1
Tampa, Fla.	83	43	10	4
Washington, D. C.	215	81	10	25
Wilmington, Del.	47	21	2	3
EAST SOUTH CENTRAL:	600	330	42	30
Birmingham, Ala.	106	56	7	5
Chattanooga, Tenn.	47	28	7	2
Knoxville, Tenn.	52	31	1	2
Louisville, Ky.	114	69	12	7
Memphis, Tenn.	123	62	7	10
Mobile, Ala.	28	13	-	-
Montgomery, Ala.	27	16	1	1
Nashville, Tenn.	103	55	7	3
WEST SOUTH CENTRAL:	1,050	565	68	76
Austin, Tex.	47	24	10	7
Baton Rouge, La.	35	16	3	4
Corpus Christi, Tex.	16	6	2	-
Dallas, Tex.	127	68	10	11
El Paso, Tex.	30	13	1	5
Fort Worth, Tex.	72	48	3	-
Houston, Tex.	179	91	9	13
Little Rock, Ark.	60	26	4	6
New Orleans, La.	203	114	8	9
Oklahoma City, Okla.	86	48	3	6
San Antonio, Tex.	95	54	3	5
Shreveport, La.	56	31	6	7
Tulsa, Okla.	44	26	6	3
MOUNTAIN:	416	225	19	25
Albuquerque, N. Mex.	30	14	4	3
Colorado Springs, Colo.	13	8	-	-
Denver, Colo.	127	77	9	6
Ogden, Utah	14	9	1	1
Phoenix, Ariz.	100	54	1	1
Pueblo, Colo.	18	6	1	2
Salt Lake City, Utah	52	26	2	7
Tucson, Ariz.	62	31	1	5
PACIFIC:	1,652	938	53	104
Berkeley, Calif.	23	15	1	-
Fresno, Calif.	41	23	2	7
Glendale, Calif.*	40	27	-	1
Honolulu, Hawaii	40	14	2	1
Long Beach, Calif.	66	37	-	4
Los Angeles, Calif.	532	283	27	45
Oakland, Calif.	117	64	3	8
Pasadena, Calif.	33	22	-	-
Portland, Oreg.	138	86	3	9
Sacramento, Calif.*	66	39	2	5
San Diego, Calif.	86	43	2	7
San Francisco, Calif.	198	105	4	7
San Jose, Calif.	44	27	3	2
Seattle, Wash.	140	93	2	4
Spokane, Wash.	48	31	1	3
Tacoma, Wash.	40	29	1	1
Total	12,902	7,348	627	791

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	161,885
All Causes, Age 65 and over	92,669
Pneumonia and Influenza, All Ages	8,085
All Causes, Under 1 Year of Age	9,453

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EPIDEMIOLOGICAL REPORTS (Continued)

HUMAN RABIES DEATHS

Because of their close contact with the patient during his illness, 17 persons on the hospital staff received rabies vaccine.

(Reported by Dr. Jack W. Millar, Captain, M.C., USN, Director, Preventive Medicine Division, Bureau of Medicine and Surgery, U.S. Navy, Washington, D.C., Dr. Anthony Rush, Captain, M.C., USN, Senior Medical Officer, U.S. Naval Station, Rota, Spain, and John A. Anderson, Lt., M.C., USN, U.S. Naval Hospital, Bethesda, Maryland).

TYPHOID FEVER – New York City

An outbreak of typhoid fever occurred among children in the lower Bronx in August 1964. *Salmonella typhi,* phage type T, was isolated from 8 cases. Two additional children were considered highly suspicious and probable cases because of the clinical history and high typhoid O and H agglutinations. Among the 8 bacteriologically confirmed cases, *S. typhi,* phage type T, was recovered from the blood in 7 and from the stool in one. Several of the children were hospitalized but there were no deaths. The ages of the children ranged from 4 to 19 years. The dates of onset of the illness ranged from August 11 to August 31, 1964 with 7 cases falling within a 7-day period from August 11 to August 17.

All of the cases occurred in 4 apartment buildings which were in close proximity and all of the patients involved knew one another and played together frequently. An intensive search was made for a possible typhoid carrier in the neighborhood but none was found.

It was subsequently learned that all of the ill children had eaten watermelon which had been fished out of the Hudson River sometime in the later part of July 1964. One adult and 7 additional children had eaten the same watermelon but did not become ill. One observer noted that the watermelon contained a soft spot and the possibility that river water entered the melon could not be excluded. The melon was brought home, rinsed off, divided up and eaten. The specific area of the river in which the watermelon was floating was the 125th Street pier. The Bureau of Sanitary Engineering indicated that this area was polluted with raw sewage. It was felt that this was a common source outbreak and the watermelon was the likely vehicle of infection. Members of the involved families were visited by Public Health nurses and field epidemiologists and instructed in personal hygiene. All family contacts were immunized with typhoid vaccine.

(Reported by F.N. Tilley, M.D., Epidemiologist, and Tibor Fodor, M.D., Acting Chief, Bureau of Preventable Diseases, New York City Health Department).

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THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THESE PROVISIONAL DATA ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

SYMBOLS:---DATA NOT AVAILABLE
- QUANTITY ZERO

THE CONSTRUCTION OF THE MORTALITY CURVES IS DESCRIBED IN VOL. 14, NO. 1.

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